

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Cephia Turner Examiner #: 71652 Date: 12/23/02
 Art Unit: 1714 Phone Number 308-2509 Serial Number: 09/776,036
 Mail Box and Bldg/Room Location: 4D11 Results Format Preferred (circle): PAPER DISK E-MAIL
CP3 4D01

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Secondary Amine Mannich Detergents

Inventors (please provide full names): Dennis J. Maltzer; Andre T. Noble, William J. Colucci; Roger M. Sheetz

Earliest Priority Filing Date: 2/2/01

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search:

A Mannich reaction product obtained by reacting (i) at least one di-substituted hydroxyaromatic compound having on the ring both (i) an aliphatic hydrocarbyl substituent derived from a polyolefin having a polyolefin having a number average molecular weight in the range of about 500 to about 3000, and (b) a C₂-C₄ alkyl; (ii) at least one secondary nonoamine of the formula H-N^R_{R''}

wherein R' and R'' are independently alkyl groups having 1-30 carbon atoms; and (iii) at least one aldehyde.

Please search compound alone, and then in combination with a full.

Thanks

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher:	<u>EL</u>	NA Sequence (#)	STN <u>\$ 328.95</u>
Searcher Phone #:		AA Sequence (#)	Dialog
Searcher Location:		Structure (#)	Questel/Orbit
Date Searcher Picked Up:		Bibliographic	DeLink
Date Completed:	<u>12-26-02</u>	Litigation	Lexis/Nexis
Searcher Prep & Review Time:	<u>5</u>	Fulltext	Sequence Systems
Clerical Prep Time:		Patent Family	WWW/Internet
Online Time:	<u>110</u>	Other	Other (specify)